

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051725

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHEN QINGGUO ET AL: "QoS guaranteeing during UMTS packet-domain handover" PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED COMPUTING, APPLICATIONS AND TECHNOLOGIES, PDCAT 2003, 27 August 2003 (2003-08-27), pages 387-390, XP010661303 CHENGDU, CHINA	1,2,4-6
Y	page 389, section: "V. STREAMING SERVICE"	3,7
Y	US 2002/172208 A1 (MALKAMAKI ESA) 21 November 2002 (2002-11-21) paragraph [0012]	3,7
A	US 2002/110095 A1 (SUN ALEX CHUNG-MING ET AL) 15 August 2002 (2002-08-15) paragraph [0005]	2,5,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

7 December 2004

Date of mailing of the international search report

09.05.05

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"Universal Mobile Telecommunications System (UMTS); Radio Interface Protocol Architecture (3GPP TS 25.301 version 5.2.0 Release 5); ETSI TS 125 301" ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. 3-R2, no. V520, September 2002 (2002-09), XP014008575 ISSN: 0000-0001 pages 18-19, paragraphs 5.3.2.1,5.3.2.2 -----	1-7

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-7

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7

1.1. claims: 1,2,4-6

optimising the use of radio resources by disabling an in-sequence delivery option of service data units (SDUs) assembled at the RLC layer of a sending side RNC from protocol data units (PDUs)

1.2. claims: 1,3,5,7

optimising the use of radio resources by disabling an in-sequence delivery option of protocol data units (PDUs) which are tunnelled from the sending side RNC to the receiving side RNC

2. claims: 8-12

optimising the use of radio resources by altering one or more TCP sending parameters

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002172208 A1	21-11-2002	BR 0209809 A	01-06-2004
		CA 2446700 A1	28-11-2002
		CN 1524364 A	25-08-2004
		EP 1388234 A2	11-02-2004
		WO 02096006 A2	28-11-2002
		JP 2004527979 T	09-09-2004
		ZA 200308486 A	01-07-2004

US 2002110095 A1	15-08-2002	TW 567732 B	21-12-2003
		US 2002126629 A1	12-09-2002
